



Science Toolkit: Grade 5 Objective 1.B.1.a

Student Handout: Science: Grade 5 Objective 1.B.1.a

Standard 1.0 Skills and Processes

Topic B. Applying Evidence and Reasoning

Indicator 1. Seek better reasons for believing something than "Everybody knows that..." or "I just know" and discount such reasons when given by others.

Objective a. Develop explanations using knowledge possessed and evidence from observations, reliable print resources, and investigations.

Selected Response (SR) Item

Question

Use the information below to answer the following.

Students placed 250 milliliters of water in three identical containers. Container 1 had a tightly sealed lid and was placed on a classroom counter. Container 2 had no lid and was placed on a classroom table. Container 3 had no lid and was placed on a table outside in the shade. The students measured the amount of water in each container at the end of each day for four days. Their results are shown in the data table below.

VOLUME OF WATER IN THREE CONTAINERS

Container	Starting Volume (mL)	End of Day 1 (mL)	End of Day 2 (mL)	End of Day 3 (mL)	End of Day 4 (mL)
1	250	250	250	250	248
2	250	242	219	203	188
3	250	219	172	125	63

What question is this investigation designed to answer?

- A. How do water levels affect evaporation?
- B. Which container best holds evaporating water?
- C. Does evaporation of water affect the atmosphere?
- D. In which environment does water evaporate the fastest?

Correct Answer

- D. In which environment does water evaporate the fastest?

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